# Translation





## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P803949/WO/1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/EP2003/009922		ate (day/month/year) otember 2002 (13.09.2002)				
International Patent Classification (IPC) or national classification and IPC B62D 65/00						
Applicant	DAIMLERCHRYSLER AG					
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> </ol>						
2. This REPORT consists of a total of	6 sheets, including this cover sheet.	'				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
. These annexes consist of a to	otal of sheets.					
3. This report contains indications rela	ating to the following items:	·				
I Basis of the report						
II Priority						
III Non-establishment	of opinion with regard to novelty, inventive step and ind	ustrial applicability				
IV Lack of unity of in	vention	•				
V Reasoned statemen	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents	cited					
VII Certain defects in t	VII Certain defects in the international application					
VIII Certain observations on the international application						
Date of submission of the demand	Date of completion of this repo	Date of completion of this report				
08 April 2004 (08.04	.2004) 29 March 2	005 (29.03.2005)				
Name and mailing address of the IPEA/EF	Authorized officer					
Facsimile No.	Telephone No.					

# INTERNATIONAL CLIMINARY EXAMINATION REPORT

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Int	ernational application No.
	PCT/EP2003/009922

1. With regard to the elements of the international application:*
the international application as originally filed
the description:
Page
pages 1-26 , as original
pages, filed with the d
the claims:
nages
1-8/2/-29 as originally
, as amended (together with any statement under Arti
filed with the
, filed with the letter of
pages 1-4 , as originall
filed with at a 1
, filed with the letter of
the sequence listing part of the description:
pages 1-5
pages, as originally
pages, filed with the de
the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  the language of publication of the international application (under Rule 48.3(b)).  the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 or 55.3).  3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:  contained in the international application in written form.  filed together with the international application in computer readable form.  furnished subsequently to this Authority in written form.  The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in international application as filed has been furnished.  The statement that the information recorded in computer readable form is identical to the written sequence listing been furnished.  The amendments have resulted in the cancellation of:  the description, pages  the claims. Nos.
the claims, Nos the drawings, sheets/fig  This report has been established as if (some of) the amendments had not been made, since they have been considered to beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**  **Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.4).  **Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
Form PCT/IPEA/409 (Box I) (July 1998)

International application No.

CT/EP 03/09922

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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1.	Statement			
	Novelty (N)	Claims —	1-8	YES
		Claims —		NO
	Inventive step (IS)	Claims	1-5	YES
		Claims	6-8	NO
	Industrial applicability (IA)	Claims	1-8	YES
		Claims		NO ,

- 2. Citations and explanations
  - Reference is made to the following document:

D1: US 4 670 974 A.

- 2. The present application fails to meet the requirements of PCT Article 33(1) because the subject matter of claim 6 does not involve an inventive step (PCT Article 33(3)).
- 2.1 In the applicant's letter of 21 January 2005, it is argued that the sensors (cameras 131, 133 and 135) according to document D1 must be metrically calibrated and that, in consequence, the subject matter of claim 6 is novel.

This point need not be resolved since, although novelty would be thus established, a person skilled in the art seeking to solve the problem of interest, namely that of achieving a cheaper configuration of the device according to document D2, would dispense with the metric calibration of the sensors without being thereby inventive and arrive in this way at the subject matter of claim 6.

- 2.2 The applicant is advised that, although a device according to the prior art may not operate with the desired precision without calibrated sensors, this is not relevant to the assessment of inventive step.
- 3. Furthermore, the application fails to meet the requirements of PCT Article 6 since claim 6 lacks clarity.

The patentability of a claimed device generally depends on a technical effect, which in the present instance goes beyond the mere omission of calibration since, without the device features that correspond to the method features of the characterising part of claim 1, the device cannot solve the problem of interest.

Therefore, in addition to the feature that at least one of the sensors (21, 21") is not metrically calibrated, claim 6 should explicitly include those means for implementing an iterative control process that are implicitly derivable from the method steps of the characterising part of claim 8.

A version of claim 6 amended in this way would be considered to involve an inventive step.

- 4. Claims 7 and 8 likewise have, mutatis mutandis, the defects revealed in points 2. and 3. above.
- 5. Novelty and inventive step are acknowledged in respect of claim 1 and dependent claims 2-3.

  The reasons are as follows:

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. CT/EP 03/09922

Document D1 (US 4 670 974 A) is the closest prior art.

Said document addresses the problem that accurate positioning of the gripping tool relative to the workpiece requires a high-precision positioning system with calibrated sensors.

The invention solves this problem by means of an iterative control process in which an actual measurement from a sensor is generated and compared with a reference measurement generated during a setup phase, then a Jakobi matrix is used to calculate a displacement vector from the difference of said measurements, and finally the tool and sensor, in combination, are displaced by said displacement vector.

6. The use, as defined in independent claims 4 and 5, of a method according to one of claims 1 to 3 is novel and involves an inventive step.